



Molecular Formula: C₁₄H₁₄N₂O₂
Molecular Weight: 242.277
Accurate Mass: 242.105528
Percentage Composition: C 69.41%; H 5.82%; N 11.56%; O 13.21%
Biological Source: Isol. from aerial parts of *Oxytropis puberula*
Melting Point: Mp 157-158°
Optical Rotation: [α]_D −25.3 (c, 0.79 in MeOH)

>>Derivative: Me ether

Synonym(s): 2-Methoxy-2-phenylethylamine. β -Methoxybenzeneethanamine, 9CI

CAS Registry Number: 55163-76-3
Molecular Formula: C₉H₁₃NO
Molecular Weight: 151.208
Accurate Mass: 151.099714
Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%
Boiling Point: Bp₂₀ 110-113°
Optical Rotation: [α]_D²² −118.5 (neat)
Density: d₄²⁶ 1.018

>>Derivative: Me ether; hydrochloride

CAS Registry Number: 62064-68-0
Melting Point: Mp 158-159°

>>Variant: (S)-form

CAS Registry Number: 56613-81-1
Molecular Formula: C₈H₁₁NO
Molecular Weight: 137.181
Accurate Mass: 137.084064
Percentage Composition: C 70.04%; H 8.08%; N 10.21%; O 11.66%
Melting Point: Mp 61-62° (55-57°)
Optical Rotation: [α]_D +47.9 (c, 2.4 in EtOH)
Fluka: 9222

>>Derivative: Hydrochloride

CAS Registry Number: 71025-82-6
Melting Point: Mp 209-210°
Optical Rotation: [α]_D¹³ +48.8 (c, 5.08 in H₂O)

>>Derivative: N-Benzoyl

Molecular Formula: C₁₅H₁₅NO₂
Molecular Weight: 241.289
Accurate Mass: 241.110279
Percentage Composition: C 74.67%; H 6.27%; N 5.80%; O 13.26%
Biological Source: Constit. of *Oxytropis trichophysa* and *Oxytropis muricata*
Physical Description: Cryst. (Me₂CO)
Melting Point: Mp 154-155°
Optical Rotation: [α]_D³⁰ +35.2 (c, 0.68 in MeOH)

>>Derivative: N-Benzoyl, O-Ac

Synonym(s): 2-Acetyloxy-N-benzoyl-2-phenylethylamine. **Muricatide**

CAS Registry Number: 111025-01-5
Extra CAS Registry Numbers(s): 109393-37-5 128820-22-4

Molecular Formula: C₁₇H₁₇NO₃
Molecular Weight: 283.326
Accurate Mass: 283.120844
Percentage Composition: C 72.07%; H 6.05%; N 4.94%; O 16.94%
Biological Source: Alkaloid from *Oxytropis muricata*
Physical Description: Needles (hexane/petrol)
Melting Point: Mp 114-115° (110-112°)